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COTTON LITERATURE

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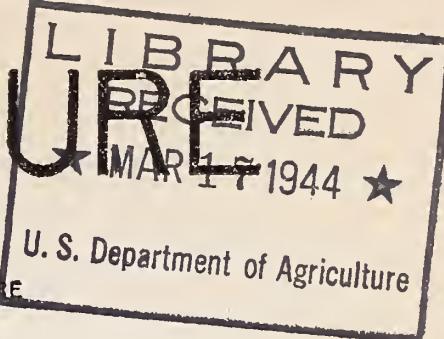
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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONGeneral

2885. Gaddum, E.W. Cotton research at Barberton. East African Agr. Jour. 4(1):5-12. July 1938. (Published by Government Printer, P.O. Box 128, Nairobi, East Africa) 24 Ea74
References, p.12.

Breeding, cultivation and entomological problems being studied at the Empire Cotton Growing Corporation's station at Barberton in the Transvaal, South Africa, are reported.

Botany

2886. Webber, Irma E. Anatomy of the leaf and stem of gossypium. Jour. Agr. Research 57(4):269-286. Aug. 15, 1938. (Published by the United States Department of Agriculture, Washington, D.C.) 1 Ag84J

Literature cited, pp.283-286.
"The descriptions of leaf and stem structure of Gossypium presented in this paper are based on a histological examination of the leaves and stems of 12 Old World species, 5 wild American species, 2 doubtful species, and 9 species belonging to related genera. There is more anatomical variation within each of these three groups, and less variation between the several groups, than previous descriptions indicated."
Summary.

See also Item no. 3156.

Genetics and Plant Breeding

2887. Humphrey, L.M., and Tuller, A.V. Improvements in the technique of cotton hybridization. Ark. Agr. Expt. Sta. Bull. 359. Fayetteville. 1938. 100 Ar42

See also Items nos. 2885, 3117, 3150.

Agronomy

2888. Algodon en Entre Ríos. La Chacra 8(94):126-127. Aug. 1938. (Published at Buenos Aires, Argentina) 9 C34
Cotton in Entre Ríos.

2889. Bartholomew, R.P., and Younge, O.R. Relative productivity of soils of Arkansas. Ark. Agr. Expt. Sta. Bull. 365, 39pp. (Published at Fayetteville, Ark. 1938) 100 Ar42
Tests made with cotton.

2890. Batalin, R.I. Agriculture and irrigation. Trop. Agr. [Ceylon] 91(1):4-11. July 1938. (Published at Peradeniya, Ceylon) 26 T751
Experiments with cotton.

2891. Churchman, J.L., Manns, M.M., & Manns, T.F. Copper sulfate as a plant nutrient and soil amendment. Tobacco, cotton, and truck crops for 1936. Crop Protection Digest Bull. 63, 26pp. (Published in Washington, D.C. Crop Protection Institute, 1937) 464.9 C88

2892. Commercial fertilizer. 1938 year book. 142pp. Atlanta, Ga., Walter W. Brown pub. co., [1938] 57.8 C73Y
Partial contents: Fertilizers for southern soils, by J.J. Skinner, pp.44-51; Saving southern soils, by T.S. Buie, pp.56-59.

2893. Cooper, J.F. Sea Island cotton "come back" in Florida. Florida Grower 46(9):5,12-13. Sept. 1938. (Published at 1306 Grand Central Ave., Tampa, Fla.) 80 F6622

2894. Dacy, George H. A wilt-resistant cotton. Country Gent. 108(10):64. October 1938. (Published at Independence Square, Philadelphia, Pa.) 6 C833
"A new variety of cotton, Delfos 2323-965-425, very resistant to the fusarium wilt disease which prevails in the delta district of Louisiana and Mississippi, will be available for planting approximately 150 acres in 1939."

2895. Fikry, M. Aziz. Les nouvelles tendances de la culture cotonnière. Union des Agriculteurs d'Egypte Bull. 36(293):279-303. May 1938. (Pub-

lished at 25, Rue Cheikh Abou El-Sebaa, Cairo, Egypt) 24 Un32
 Bibliography, p.303.
 The new tendencies in cotton culture (spacing).

2896. Humphrey, L.M. Outlying cotton variety experiments, 1936 and 1937. Ark. Agr. Expt. Sta. Bull. 360. 48pp. Fayetteville, 1938. 100 Ar42 Literature, p.48.

2897. [Humphrey, L.M.] Survey shows eight seed types suited to Arkansas lands. Cotton Trade Jour. 18(39):6. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 The eight varieties are named.

2898. India. Central Provinces & Berar. Department of Agriculture. Report on demonstration work carried out in the Northern Circle together with reports on the seed and demonstration and cattle-breeding farms of the circle for the year ending 31st March 1937. 86pp. Nagpur, Govt. print. C.P. & Berar, 1938. 107.5 N13No
 Contains brief information on cotton areas, yields, varietal tests, etc. on the various farms.

2899. International crop improvement association. Sixteenth and seventeenth annual reports...1934-1935. 72pp. East Lansing, Mich., [1938?] 61.9 In8
 Cotton seed certification committee, W.H. Darst, chairman: Standards for cottonseed certification, pp.39-41.

2900. Kempinski, Carlos E. El cultivo del algodón. Ecuador, Camara de Agricultura de la Segunda Zona, Revista 1(4):22-23. April 1938. (Published at Guayaquil, Ecuador) 9.5 Ec95
 The cultivation of cotton (Ecuador).

2901. Legros, J. Cotton in Peru. Monthly Bull. Agri. Sci. and Practice 29(7):263T-278T. July 1938. (Published by International Institute of Agriculture Villa Umberto I^o, Rome, Italy) 241 In82
 Gives information on the influence of climate on cotton cultivation, soils, irrigation, possibilities of extension to new areas, methods of cultivation, improvement work, diseases and insects.

2902. Otero, Angel R. El cultivo en Cuba del algodón
 Sea Island, una nueva fuente de riqueza. Revista
 de Agricultura [Cuba] 21(5/6):44-46. May/June 1938.
 (Published at Habana, Cuba). 8: Ag88Re
 The cultivation in Cuba of Sea Island cotton,
 a new source of wealth.

2903. Cusley, Clarence. Farming and ginning. Cotton
 and Cotton Oil Press 39(39):14. Sept. 24, 1938.
 (Published at 3116-18 Commerce St., Dallas, Tex.)
 304.8 C822
 Editorial on a recent publication of the U.S.
 Department of Agriculture entitled "Cotton Har-
 vesting and Handling."

2904. Ramdas, L.A., and Kalankar, P.J. Statistical
 investigations on crop-weather relationships in
 India. Sankhya; Indian Jour. Statis. 3(3):
 285-290. May 1938. (Published at Presidency
 College, Calcutta, India) 251.8 In2
 Review of work done in India during the last
 three decades, particularly by the Statistical
 Branch of the Agricultural Meteorology Section
 at Poona. Among their works the following are
 reviewed: Influence of weather and prices on
 the cotton acreage in the Bombay Presidency,
 influence of weather on the yield per acre of
 cotton in the Bombay Presidency, analysis of
 yield data recorded at experimental farms,
 analysis of meteorological data having an indirect
 bearing on agriculture, and precision observa-
 tions on weather and crops.

2905. Shaw, L. Why and how to treat cottonseed. N.C.
 Agr. Col. Ext. Folder 39, 6pp. State College
 Station, Raleigh, 1938.
 Treating with 2% ethyl mercury chloride dust
 is recommended.

2906. Smith, John Morton. Sunspots determine size of
 cotton crop, asserts expert. Textile Bull.
 54(25):25. Aug. 18, 1938. (Published by Clark
 Publishing Co., 218 West Morehead St., Charlotte,
 N.C.) 304.8 So82
 A statement by I.V. Shannon is summarized.

See also Items nos. 2885, 2909, 2922, 2923, 2924,
 2978, 2980, 2983, 2986, 3033, 3039, 3117, 3118,
 3139, 3147, 3150, 3156, 3159.

Diseases

2907. Buxton, H.W., Kasinathan, S. and Zylie, S.M. Nitrogen requirements of *Nematospora gossypii* in synthetic media. Ann. Bot. 2(6):373-379. April 1938. (Published by Oxford University Press, Amen House, Warwick Square, London, E.C.4, England) 450 Ar7
 Literature cited, p.379.
 "Observations of the growth of the internal boll-rot organism *Nematospora gossypii* on synthetic media containing amino acids, ammonium salts and asparagin, and of the influence of β -alanine, aspartic acid and asparagin on growth are described." -Textile Inst. Jour. 29(7):A449. July 1938.

2908. Iwadare, S. On a new anthracnose of cotton occurred in Manchukuo. Sapporo Soc. Agr. & Forestry Jour. 29(143):27-45. July 1938. (Published by the Sapporo Society of Agriculture and Forestry, Sapporo, Japan) J22.5 Sol

2909. Young, V.H. Control of cotton wilt and "rust," or potash hunger, by the use of potash-containing fertilizers. Ark. Agr. Expt. Sta. Bull. 358, 26pp. Fayetteville. 1938. 100 Ar42
 Literature, p.26.

See also Items nos. 2894, 2901, 2921, 3117.

Insects

2910. Alfalfa and cotton growers battle beetles with poison dust. Ariz. Producer 17(11):1. Aug.15, 1938. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
 Efforts to control the lygus beetles are noted.

2911. Campos R., Francisco. Las plagas de los cultivos en Manabí. El gorgojo del tallo del algodón. Ecuador, Camara de Agricultura de la Segunda Zona, Revista 1(4):4-5. April 1938. (Published at Guayaquil, Ecuador) 9.5 Ec95
 Plant pests in Manabí. The cotton stem weevil.

2912. Federal, State men prepare to hold bollworm in check. Ariz. Producer 17(10):1,4. Aug.1,1938. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
 Methods to be used to fight the pink bollworm in Arizona are described.

2913. Imperial agricultural research institute, New Delhi. Agricultural research and the Indian farmer. A popular account of agricultural research under the government of India. 49pp. [New Delhi, 1937] 34.2 Im7

Combatting diseases and pests of crops, pp. 26-31. Mentions spotted bollworms of cotton, pink bollworm, etc.

2914. Jack, R.W. Annual report of the Division of entomology for the year ended 31st December, 1937. Rhodesia Agr. Jour. 35(8):652-676. Aug. 1938. (Published at Salisbury, Rhodesia) 24 R34

Pests of cotton, p. 655.

2915. Johnson, A.C., Becker, George G., and Hawkins, Lon A. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. U.S. Dept. Agr. Tech. Bull. 623, 45pp. Washington, D.C., 1938. Methods and apparatus are described.

2916. Lyle, Claude. Mississippi weekly cotton insect report. Cotton and Cotton Oil Press 39(33):18. Aug. 13, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

See also succeeding issues.

2917. Pink bollworm menaces entire South. Prog. Farmer (Tex. ed.) 53(10):5. October 1938. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

Editorial.

2918. [Texas state-wide cotton committee] Research on insect control. Cotton Digest 10(48):3, 15. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Extracts from the report are given.

2919. Thomas, F.L. Cotton insect situation in Texas. Cotton and Cotton Oil Press 39(34):12. Aug. 20, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

2920. Weevil infestation menace to cotton in Erath county, Texas. Cotton Trade Jour. 18(40):6. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2921. Wilson, C. Insects and diseases of cotton. Ala. Farmer 18(8):3,11. May 1938. (Published at Auburn, Ala.) 276.8 All

See also Items nos. 2885, 2901.

Farm Engineering

2922. Cotton picking machines. Textile Bull. 54(25):19. Aug. 18, 1938. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82

Editorial stating that "we do not believe that there will ever be a machine which will pick clean cotton from cotton bolls."

2923. Johnston, E.A. The evolution of the mechanical cotton harvester. Farm Implement News 59(15): 34-36. July 28, 1938. (Published at 431 South Dearborn St., Chicago, Ill.) 58.8 F22

Address at annual convention of American Society of Agricultural Engineers.

2924. Mechanical pickers discussed by chief. Cotton Digest 10(48):10-11. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Statements of Charles A. Bennett are quoted.

See also Item no. 3159.

Farm Management

2925. Holmes, Horace C. Increasing farm returns. Some principles of farm organization and management. Tenn. Agr. Col. Ext. Serv. Pub. 210, 24pp. Knoxville. 1937.

Tables show average labor requirements, farm organization, and returns per day of labor. Cotton is one of the crops considered.

2926. Largest cotton plantation will be divided into small units. Compliance with AAA policy given as reason for division by owners. Cotton Trade Jour. 18(41):5. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

The plantation is to be leased next year.

2927. Plantation owners say "control" leaves them with idle "hands". Cotton Trade Jour. 18(39):6. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Experiences of a plantation owner in Calhoun County, South Carolina, are reported.

2928. Tamano y mecanización de las chacras algodoneras. Oro Blanco 2(13):11. July 1938. (Published at Avenida de Mayo 1370, Buenos Aires, Argentina) 72.8 Cr6
 Size and mechanization of the cotton farms.

See also Item no. 2992.

Farm Social Problems

2929. Allred, C.E., and Briner, E.E. Types of tenant areas in Tennessee. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociol. Dept. Monog. 73, 46pp., processed. Knoxville. 1938. 173.2 789Co

2930. Williams, R.M. Recent developments in tenancy programs in North Carolina. Jour. Land & Pub. Utility Econ. 14(2):208-210. May 1938. (Published by Northwestern University, School of Commerce, 337 East Chicago Ave., Chicago, Ill.) 282.8 J82
 The program of the Farm Security Administration is commented upon.

See also Item no. 3117.

Cooperation in Production (One-Variety Communities)

2931. Alabama has 32 cotton improvement communities. Alabama Farmer 18(7):11. Apr. 1938. (Published at Auburn, Ala.) 276.8 All.

2932. East Texans launch cotton advertising campaign in England. Cotton Trade Jour. 18(39):1. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Advertising of cotton from one-variety communities is noted.

2933. Higher prices and loans to Arizona cotton growers may come from free U.S. grading. Ariz. Pro-

ducer 17(11):1,23. Aug.15,1938. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
 "Arizona cotton farmers are organizing in five counties to take advantage of a free federal grading and classing service" offered by the U.S. Department of Agriculture.

2934. Lowry, O.M. Bonnie View one-variety cotton project proves an outstanding success. Tex. Co-op. News 18(9):5. Sept.15,1938. (Published by Texas Cooperative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

2935. Texas. Agricultural and mechanical college. Department of agricultural education. More money from cotton: how can Texas farmers make it? Tex. Agr. Col. Dept. Agr. Ed. Bull. SM-1, 24pp. College Station, 1938.
 One-variety communities are advocated.

See also Items nos. 2999, 3117, 3140.

PREPARATION

Ginning

2936. Bennett, Charles A., Baggette, T.L., and Gerdes, F.L. Modernizing cotton gins. U.S. Dept. Agr. Farmers' Bull. 1802, 51pp. Washington, D.C., 1938.
 The features of a modern cotton gin are described and illustrated.

2937. Cooperative ginning a success. Prog. Farmer (Miss. Valley ed.) 53(3):9,32. August 1938. (Published at Cotton Exchange Bldg., Memphis, Tenn.) 6 So81
 The development of cooperative cotton ginning in Mississippi is described.

2938. Did Eli Whitney invent the cotton gin? Cotton and Cotton Oil Press 39(39):10. Sept.24,1938.
 (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 From "The State", Columbia, S.C.
 "James Kincaid set up and operated the first cotton gin in the United States."

2939. Evans, Sterling C. Co-op cotton gin movement aided by sound financing. Financing through Houston bank for cooperatives discussed by president. Tex. Co-op. News 18(9):6. Sept. 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

2940. Herrmann, Omer W. Some essentials to sound co-operative gin organization. 11pp. processed. Washington, D.C., Farm Credit Administration, Cooperative Division, 1938. 166.3 So52.
"An address before Marketing Section, Southern Agricultural Workers, February 2, 1938."

2941. [Mississippi Agricultural extension service] Getting most for cotton. Prog. Farmer (Miss. Valley ed.) 53(8):10,32. August 1938. (Published at Cotton Exchange Bldg., Memphis, Tenn.) 6 So81
Good ginning practices are described.

See also Items nos. 2903, 3067, 3080, 3105, 3140, 3155.

Baling

2942. "All cotton" bale turned out at Longview, Tex. gin. Cotton Trade Jour. 18(39):1. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The bale was covered with cotton bagging and tied with cotton rope.

2943. Cotton bagging. Textile Bull. 54(26):14. Aug. 25, 1938. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So32
Editorial on the plan of the Agricultural Adjustment Administration to encourage the use of cotton bagging for bale covering. The author states that "an adequate tariff on jute and jute products would bring prosperity to the South."

2944. Kirkpatrick, T.K. Make our cotton respectable. Farm and Ranch 57(16):8. Aug. 15, 1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
Comment on the article entitled "American Cotton in World Trade." The author states that "For one I would be willing to pay a dollar or more on each bale...to get the bale stapled and graded at the gin, and wrapped in an attractive cotton wrapper."

2945. Milestone in drive for cotton bagging for cotton bales. Momentum given program by purchasing of 1,000,000 bale patterns, and allowance for tare by mills. Cotton [Atlanta] 102(9):66. September 1938. (Published by W.R.C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823
 Comment on the program of the U.S. Department of Agriculture to encourage the use of cotton bagging for cotton bales.

2946. [Murchison, Claudio T.] Mills to cooperate in promotion of cotton bagging. More than 100 will make allowance in purchases for lighter tare. Cotton Trade Jour. 18(40):1. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2947. New program to promote cotton use. Use of cotton as covering for cotton bales made possible. Okla. Cotton Grower 18(12):1. Aug. 15, 1938. (Published at 10 West Sixth St., Oklahoma City, Okla.) 72.8 Ok4
 The program of the Agricultural Adjustment Administration is announced.

2948. New uses. Cotton bagging program under way for first time on an extensive test. Amer. Cotton Grower 4(4):3. September 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32
 The program of the Agricultural Adjustment Administration to use cotton bagging for covering cotton bales is noted.

2949. Report praising cotton bagging is sent Wallace. Fire hazard is lessened with new covering, says warehouse supt. Cotton Trade Jour. 18(38):3. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Extracts from a report by E.H. Lockenberg.

2950. Spinners show keen interest in cotton bagging. Beginning of what should develop into great new field for U.S. spindles supplying wrapping material. Cotton Trade Jour. 18(38):1, 8. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2951. Stone, L.T. Is it a new use or a new abuse for cotton? Cotton and Cotton Oil Press 39(37): 3-5. Sept. 10, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 The government program to use cotton bagging as bale covering is discussed.

MARKETING

General

2952. Imperial economic committee. Intelligence branch. Industrial fibres. 113pp. London, H.M. Stationery Office. 1938. 280.39 G794C
 Reviews the situation down to the end of the 1937-38 season. Cotton, pp. 14-34.

Demand and Competition

2953. Ashmore, Harry. North-South differential shows up in living costs as well as in wages. Textile Bull. 54(26):5-6, 23. Aug. 25, 1938. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82
 Wages and cost of living of cotton textile mill workers in the South and in New England are compared.

2954. Canadian cotton industry. Textile Colorist 60(714):389. June 1938. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.) 306.8 T31
 The size of the Canadian cotton textile industry is noted.

2955. The Central provinces textile labour inquiry. Government's resolution and sequel. Indian Textile Jour. 48(574):361. July 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
 Resolutions relating to the labor situation in the textile industry in the Central Provinces and Berar, India, are given.

2956. European war clouds ruling factor in N.Y. "What would happen to cotton in event of war," is foremost question. Would exchanges close? Writer says no, naming new conditions that did not exist in 1914. Cotton Trade Jour. 16(40):1, 6. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 The effect on the cotton trade of the situation in Czechoslovakia is discussed.

2957. Export business reaches bottom in recent weeks.
 New Yorkers see loss of Czechoslovakia to U.S. cotton trade. Cotton Trade Jour. 18(41):3. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 The effect of possible war on the cotton situation is commented upon.

2958. Exports of cotton piece-goods in 1937. Comparisons with 1913 and 1935-6. Gt. Brit. Bd. Trade Jour. 141(2177):255, 258. Aug. 25, 1938. (Published by H.M. Stationery Office, York House, Kingsway, London, W.C. 2, England) 256.03 T67J
 Tables show exports from Great Britain by country of destination.
 Also in Cotton (Manchester) 44(2126):9. Aug. 27, 1938; Textile Weekly 22(548):291-292. Sept. 2, 1938.

2959. Farm sections want German, American pact. Practical completion of the agreement with Britain intensifies pressure. Reject German proposals. Brinkmann promises to use 3 to 4 million bales of American cotton. Cotton Trade Jour. 18(38):1, 8. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Extracts from the statement of Rudolf Brinkmann are quoted.

2960. Gandhi, M.P. Indian cotton textile industry (its past, present, and future) (With which is incorporated the 1937 annual). 178pp. (Calcutta, 1937) 304.8 In22
 Bibliography, pp. xlix-liv.
 Appendix 1, List of cotton mills in India.

2961. Germany produces synthetic fibre from coal and chalk. Cotton Trade Jour. 18(39):1. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2962. Hickman, Francis G. Vistra big weapon in Germany's fight for economic independence. Beechwood is only raw material used to make synthetic fibre. Cotton Trade Jour. 18(39):1, 7. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2963. Hunt, Stanley B. World rayon trends. An analysis of the actual and relative growth of synthetic fibers. *Textile World (Rayon Yearbook No.)* 88(10):88-89. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

2964. Indo-British trade talks. *Financ. News* 6(32):15. Aug. 20, 1938. (Published at Yusuf Bldg., 43, Esplanade Road, Fort, Bombay, India) 286.8 F496
Comment on the discussions at Simla, India, regarding trade in raw cotton and cotton cloth between Lancashire and India.

2965. La industria textil Argentina atraviesa por difícil situación. *Gaceta Algodonera* 15(174):1-4. July 31, 1938. (Published at Reconquista 331, Casilla Correo 550, Buenos Aires, Argentina) 72.8 G11.
The textile industry of Argentina is obstructed by a difficult situation.

2966. Is the Lancashire case misunderstood? *Manchester Chamber of Com. Monthly Rec.* 49(8):357-359. Aug. 31, 1938. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31
Editorial suggesting that "quantitative control" be used instead of "quotas" in relation to exports of piece goods from Great Britain.

2967. Japanese competition: will it be a thing of the past. *Indian Textile Jour.* 48(574):348-349. July 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
The rise of the Japanese textile industry and its competition with the textile industries of India and Great Britain are briefly reviewed.

2968. Japan's growing textile industry. *Textile Colorist* 60(714):378. June 1938. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.) 306.8 T31
From Poor's Textile Manufacturing Industry.
Japan's cotton textile industry is compared briefly with those of Great Britain and the United States.

2969. Murchison, Claudius T. What rayon means to the cotton industry. *Textile World (Rayon Yearbook No.)* 88(10):90-91. September 1938. (Published

by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

"An abstracted and revised version of the address made by Dr. Murchison at American Cotton Manufacturers Association convention."

2970. Oliver, J. Guthrie. Rayon around the world. A summary of present status in each important producing country--and future outlook. *Textile World* (Rayon Yearbook No.) 88(10):86-87. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

2971. Rossiter, Fred J., and Ladejinsky, W. The Chinese textile industry and American cotton. *Foreign Agr.* 2(9):391-408. September 1938. (Published by United States Department of Agriculture, Bureau of Agricultural Economics, Washington, D.C.) "The precipitous decline in the direct and indirect consumption of American cotton in China was caused by the expansion of the textile industry and the increase in domestic cotton production."-Conclusion.

2972. Sectionalism is bad. *Amer. Wool & Cotton Repr.* 52(33):1,37-38. Aug. 18, 1938. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
Editorial criticizing advertisements in northern and in southern papers that cast reflections on the textile industry in other sections.

2973. Textiles in South America. Argentina, first in general business, is second to Brazil in textile manufacture. *Textile World* 88(10):72. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

2974. Unusual Portuguese textile activity of 1937 continues. Exchange difficulties cut into yarn exports to Spain temporarily. *Cotton Trade Jour.* 18(40):1. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2975. Woolf, Douglas G. Whither with rayon? Textile World (Rayon Yearbook No.) 88(10):85. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)
304.8 T315

The outlook for rayon.

See also Items nos. 2952, 2978, 2979, 2981, 2985, 2987, 2989, 3100, 3117, 3121, 3126.

Supply and Movement

2976. Bernales, Manuel Montero. Peru becomes a world leader in cotton during last 25 years. Writer attributes success to cultivation of superior quality. Cotton Trade Jour. 18(38):3,7. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2977. Brazilian cotton. Cotton Digest 10(48):10. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Tables show estimates of acreage and production in the northeastern and southern states of Brazil for the seasons 1921-22 to 1937-38 inclusive.

2978. Casanueva R., Manuel. La produccion de algodon en Chile y la industria de algodon y sus derivados. Chile. Ministerio de Agricultura. Boletin. 5(15):119-124. Jan./Feb./Mar. 1938. (Published at Santiago de Chile) 9.3 C433

The production of cotton in Chile and the industry of cotton and its derivatives.

2979. Cotton exports up in volume, off in value in '37-38. Britain supersedes Japan as our best customer, taking 1,552,000 bales. Cotton Trade Jour. 18(38):1. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2980. El cultivo del algodon en el Brasil. Lectura para los productores de Manabí. Ecuador, Camara de Agricultura de la Segunda Zona, Revista 1(6): 17-20. June 1938. (Published at Guayaquil, Ecuador) 9.5 Ec95

The cultivation of cotton in Brazil. Lecture for the producers of Manabí.

2981. Current developments in the cotton situation in the Orient. Foreign Crops and Markets 37(14):215-221. Oct. 1, 1938. (Published by Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D.C.) 1.9 St2F
The situation in Japan, China and Manchuria is reviewed.

2982. Duggan, I.W. Cotton and the farm program. Amer. Cotton Grower 4(4):4, 11. September 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32
The present large supply of cotton is discussed.

2983. Final estimate of Egyptian crop is 2,240,000 bales. Yield of 522 pounds per acre highest on record, says report. Cotton Trade Jour. 18(40):7. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Also in Cotton Digest 10(50):13-14. Sept. 17, 1938.

2984. Future of American capital in Mexico is problematical. Cotton Digest 10(50):3. Sept. 17, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
"The question now uppermost in the minds of those who are backing America's venture in Mexican cotton production is, 'Will the Mexican government take over the cotton production industry once it is placed on a paying basis?'" The quantity of Mexican cotton coming into Texas for export is noted.

2985. Germany imports 1,330,000 bales in 1937-38 season. Cotton Trade Jour. 18(40):7. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2986. Guerillas blast Japan's hopes for cotton crop. Science News Letter 34(11):168. Sept. 10, 1938. (Published at 2101 Constitution Ave., Washington, D.C.) 470 Sci24

2987. India's cotton exports to Japan. Possible reactions of Japanese decree. Indian Textile Jour. 48(574):352. July 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2

2988. Mounting cotton surplus. Cotton Digest 10(48):12. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
From the New York Journal of Commerce.
The effect of government loans on the supply of cotton is discussed.

2989. Protocol to the convention regarding the commercial relations between India and Japan. Shipments of raw cotton from India to Japan and of cotton piece-goods from Japan to India. Indian Trade Jour. 130(1673):137-138. July 14, 1938. (Published by the Department of Commercial Intelligence and Statistics, 1, Council House St., Calcutta, India) 286.8 In24
Table shows shipments of raw cotton from India to Japan for the year ending December 31, 1937, and cotton piece-goods from Japan to India for the six months ending November 30, 1937.

2990. Salvago, J.P., & co. The Egyptian cotton crop, 1820-1937. [Alexandria, 1938] 270 Eg993
Diagram showing yield and production, based on data from the Statistical Section, Egyptian Ministry of Agriculture.

See also Items nos. 2888, 2893, 2900, 2901, 2902, 2933, 2952, 2971, 2994, 3039, 3096, 3101, 3138.

Prices

2991. [Commodity research bureau, inc.] Cotton price at one of lowest levels recorded. Survey shows great disparity between cotton and other commodities. Cotton Trade Jour. 18(40):8. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2992. Farmers to receive 12 cents for crop, says I.W. Duggan. Soil conservation, adjustment payments expected to increase income greatly. Cotton Trade Jour. 18(38):1. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

2993. Gotham cotton exchange alters mid. quotations. Spot traders assert middling 7/8 quotations in South are false. Cotton Trade Jour. 18(41):1, 3. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
A recent decision of the New York Cotton Exchange regarding the method of quoting spot cotton is discussed.

2994. Little cotton to be imported from China in view of high prices. Com. Reports no.36, p.787. Sept. 3,1938. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

"Prices are higher than American and Indian cotton. Consequently, little, if any, will be exported to Japan."

2995. North Tex. ginners paying high basis for new crop cotton. Cotton Trade Jour. 18(40):7. Sept.17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Prices being paid are noted.

See also Items nos. 2933, 2952, 3003, 3005, 3014, 3083, 3093, 3116, 3139.

Marketing and Handling Methods and Practices

2996. [American cotton shippers association] Shippers association tabulates facts on U.S.-Japanese business. Cotton Trade Jour. 18(39):8. Sept. 10,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Terms on which trade has been or will be done are listed.

2997. "Delta" cotton masquerade. Textile World 88(10): 74. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

Comment on the letter recently sent to cotton mills by the Southern Combed Yarn Spinners Association. "It is pointed out that the trouble comes from mixed lots of irrigated and rain-watered cotton, due to the different effects of processing and finishing on the two types...Able cotton classers state that sometimes...the appearance of the irrigated and Delta cotton was so much the same that it was impossible to tell the two apart."

2998. Garrard, W.M. Hedging is insurance. Staple Cotton Rev. 16(8):1-3. August 1938. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22

The use of the futures market by the Staple Cotton Cooperative Association is described.

2999. Govt. to buy 20,000 '1-variety' bales for shipment abroad. Would stimulate exports by selling foreigners superior cotton. Cotton Trade Jour. 18(39):6. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"The program is based on the recommendation of a subcommittee representing several bureaus in the Department of Agriculture and Farm Credit Administration. The Bureau of Plant Industry will be responsible for selection of one-variety communities from which the cotton will be assembled; the Bureau of Agricultural Engineering will be consulted with respect to ginning; the Bureau of Agricultural Economics will be responsible for classification and will cooperate in obtaining information from foreign spinners with respect to their experience in using the cotton."

3000. El mercado de algodón de Buenos Aires. Introducirá modificaciones en su reglamentación. Gaceta Algodonera 15(174):20-24. July 31, 1938. (Published at Reconquista 331, Casilla Correo 550, Buenos Aires, Argentina) 72.8 G11

The cotton market of Buenos Aires. Introducing modifications in its regulation.

3001. Norris' statement. Cotton Trade Jour. 18(41):2. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Editorial on the statement by P.K. Norris criticising present methods of handling and marketing cotton.

3002. Should Government control American cotton business? Cotton Digest 10(51):3,15. Sept. 24, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

In two parts, "Yes" (an interview with P.K. Norris published in the New Orleans Times-Picayune September 17) and "No" (a reply by the president of the New Orleans Spot Cotton Merchants Association).

3003. Staple regulations would be detrimental. Cotton Digest 10(51):8-9. Sept. 24, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

"The American Cotton Manufacturer's Association board of government passed a resolution against the proposal by the American Cotton

Co-operative Association and several other large shippers that the New York and New Orleans cotton exchanges change their present regulations so as to permit delivery of staples in lengths of 1/32 between 7/8 and 1 1/16 inch staples inclusive, at full quoted premiums."

3004. U.S. official's attack on marketing system brings scathing reply. Norris urges govt. certified class on cotton crop--reduced "handling". Cites govt. experiment. Spot:merchants ass'n calls criticism "propaganda of bureaucracy". Cotton Trade Jour. 18(41):1,8. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

An interview with P.K. Norris and a reply by the New Orleans Spot Cotton Merchants Association are quoted.

See also Items nos. 3088, 3089, 3150.

Marketing Services and Facilities

3005. Acala cotton brings 285 on in Texas. Cotton Trade Jour. 18(41):8. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The loan value received by a farmer near Greenville, Tex. is noted.

3006. Cotton loan. Cotton cooperatives set up to give farmer most complete service on sale or loan. Amer. Cotton Grower 4(4):3,11. September 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32

3007. Cotton loan is unsatisfactory. Cotton Trade Jour. 18(41):2. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Editorial.

3008. The editor speaking. Amer. Cotton Grower 4(4):4. September 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32
Editorial regarding the government loan on cotton.

3009. First loan agreements appear, explaining new cotton classing setup. No warehouse grade guarantee; 5 cents a bale deducted for supervision. 2-1/2% allowed lenders. Loan cotton to be stored in

warehouses with assets of at least \$10,000.
 Cotton Trade Jour. 18(40):1,8. Sept.17,1938.
 (Published at 810 Union St., New Orleans, La.)
 72.8 C8214

Announcements from the Commodity Credit Corporation are commented upon.

Also noted in Cotton Digest 10(50):8. Sept. 17,1938.

3010. Government cotton loans. Cotton and Cotton Oil Press 39(36):3. Sept.3,1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 The announcement of the Commodity Credit Corporation regarding the 1938 loan is given.

3011. Government must liquidate cotton loan stocks. Cotton Digest 10(50):6. Sept.17,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 Editorial.

3012. Govt. offers grade differentials in 1938 loan. Cotton Trade Jour.18(38):4. Sept.3,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 The loan program of the Agricultural Adjustment Administration is given.

3013. How to become a Govt. licensed classer is told. Cotton Trade Jour. 18(40):3. Sept.17,1938.
 (Published at 810 Union St., New Orleans, La.)
 72.8 C8214

3014. A loan for American cotton? The problem of commodity stocks and prices. Textile Weekly 22(547):261-262. Aug.26,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
 "The loan price granted in any one season has not proved a minimum price as it was hoped to be, but rather has acted as a maximum price above which buyers did not appear anxious to cover future requirements while such large stocks were known to be overhanging the market."

3015. Loan offers 3 methods of cotton classing to United States farmers. Warehousemen not required to guarantee grade this year, Rathel says. Govt. licenses necessary. Trade feels setup leaves

room for unfair practices. Cotton Trade Jour. 18(38):1,4. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Methods of classing cotton for the loan announced by the Agricultural Adjustment Administration are criticized.

3016. Loan terms are announced. Cotton Digest 10(48):9. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
The announcement of the U.S. Department of Agriculture, including a table of the cotton loan rates, is given.

3017. Loans to cotton producers by CCC on 1938 crop to be made on basis of 8.30 cents per pound for middling 7/8-inch--Range of loans on other grades from 5.30 cents to 10.75 cents pound. Com. & Financ. Chron. 147(3819):1423-1424. Sept. 3, 1938. (Published by William B. Dana Co., 25 Spruce St., New York, N.Y.) 286.8 C73

3018. Nat'l. compress ass'n. circular explains loan to its members. Warehouseman's waiver, requirements for storage, classing included. Cotton Trade Jour. 18(40):3, Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3019. Ousley, Clarence. Government loans on cotton. Cotton and Cotton Oil Press 39(36):14. Sept. 3, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
Editorial approving the amount of the loan recently announced.

3020. Shippers association fears laxity in govt. loan classing. Cotton Trade Jour. 18(39):1. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Extracts from a letter sent to members by the American Cotton Shippers Association.

3021. Some shippers for cotton loan plan. Merchants feel policy will be effective in maintaining price. Daily News Rec. no. 205, p. 1, 16. Sept. 1, 1938. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48
A merchant's opinion on the new Government loan is quoted.

3022. Who was responsible for bad 1937 loan classing?
 Govt. asks. Cotton Trade Jour. 18(40):6. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Instances of erroneous grading are noted.
 Also in Cotton Digest 10(50):5. Sept. 17, 1938.

See also Items nos. 2939, 2944, 2949, 2988, 2997, 3080, 3094, 3098, 3103, 3114, 3117, 3155.

Marketing Costs

3023. Cotton co-ops oppose freight rate increase. Urge railroad commission to refuse application. Would be direct tax on producer co-op traffic manager says. Tex. Co-op. News 18(7):1. July 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F
 Extracts from testimony of L.D. Estes, general traffic manager of the American Cotton Cooperative Association before the Railroad Commission of Texas.

3024. Freight rate hearing admits South's superiority. Mfrs. Rec. 107(9):23. September 1938. (Published at Commerce and Water Sts., Baltimore, Md.) 297.8 M31

Editorial on the hearing at Buffalo before the Interstate Commerce Commission on railroad freight rates from the South.

3025. Insurance rates quoted each day. Cotton Digest 10(51):10. Sept. 24, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Factors affecting war risk insurance are noted.

3026. Only day-to-day war risk rates are being quoted. Charge per \$100 of value jumps from 2 1/2-cent normal to \$1. Cotton Trade Jour. 18(41):1. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3027. Railroads revise cotton fumigating charges and rules. Cotton Trade Jour. 18(38):3. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Rules of the Canadian Pacific and Canadian National Railway effective July 22, 1938, are given.

3028. Tex. intrastate rail rates to be increased today. Will obviate taking local delivery on cotton intended for export. Cotton Trade Jour. 18(41):8. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"The intrastate and interstate rates will be the same on and after Sept. 24."

3029. Underwriters discontinue war risk insurance. Cotton Trade Jour. 18(40):1. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Lloyds of London discontinued war risk coverage effective September 15. Marine underwriters discontinued quoting rates September 16 for shipments sailing that day or later.

Cooperation in Marketing

3030. Congress clears the cotton co-ops. Prog. Farmer (Miss. Valley ed.) 53(8):6. August 1938. (Published at Cotton Exchange Bldg., Memphis, Tenn.) 6 So81

Editorial on the recent investigation of the American Cotton Cooperative Association by the Senate Committee on Agriculture and Forestry.

3031. Cotton association's plans are given for fall season. Coop Farmer 17(1):1,2. August 1938. (Published at 219 1/2 East Capitol St., Jackson, Miss.) 280.28 C7892

Plans of the Mississippi Cooperative Cotton Association for the coming season were approved at a meeting in Jackson, Miss., July 27, 1938.

3032. Many FSA clients using services and facilities of cotton co-op marketing. Tex. Co-op. News 18(9):1. Sept. 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

Services of the cooperative marketing associations which are available to clients of the Farm Security Administration are noted.

See also Items nos. 2937, 2940, 2998, 3006, 3023, 3078, 3095.

UTILIZATIONFiber, Yarn and Fabric Quality

3033. Alazet, Raul. Estudio de la fibra del algodon. Porcentaje y longitud. Oro Blanco 2(13):10. July 1938. (Published at Avenida de Mayo 1370, Buenos Aires, Argentina) 72.8 Or6
Study of the cotton fiber. Percentage and length.

3034. Atsuki, Katsumoto, and Okajima, Saburo. Refractive indexes of cellulose. I. Refractive indexes of ramie, cotton and cotton linter. Soc. Chem. Indus. (Japan) Jour. (Suppl. binding) 40(10): 360B-362B. October 1937. (Published by Society of Chemical Industry, Yûraku Bldg., Marunouti, Tokyo, Japan) J385 J82

3035. Frenzel, Walter, and Harzer, Willy. Bruchdrehung und drehungsfestigkeit. Mciliand Textilberichte 19(7):555-557. July 1938. (Published at Heidelberg, Germany) 304.8 T312
Breaking twist and twist strength.
"The authors refer to the connections between breaking twist and the degrees of breaking twist, and between twist strength and twist circular length. Investigations were carried out on cotton roving and cotton yarn of uniform length between clips and accompanied by slipping of the fibres. The resistance that the yarn offers to twisting rises with the degree of twist. It was found that the tension in the yarn is higher for the same twist, the lower the yarn count. The yarn tension for a given twist falls off hyperbolically as the yarn count increases. In order to produce a definite tension in a yarn, the number of twists must be raised the finer the yarn is. The course of the tension has been accurately determined in this case and has been found to be parabolic. (C)"-Textile Research 8(11):410. September 1938.

3036. Karrer, Enoch, and Bailey, T.L.W., Jr. Geometric fineness of cotton fibres and associated cross-sectional features: their comparison by means of graduated scales. Textile Research 8(11): 381-398. September 1938. (Published by United

States Institute for Textile Research, 65 Franklin St., Boston, Mass.) 304.8 T293 References, p. 398.

"This paper was presented in part before a meeting of Subcommittee A-1, Section 1 on raw cotton, Committee D-13 (Textiles), ASTM, at Washington, D.C. on March 10, 1938."

3037. Niven, C.D., and Babbitt, J.D. On the heat transmission of textile fabrics. Textile Inst. Jour. 29(8):T161-T172. August 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

References, p. T172.

"In this communication an attempt is made to ascertain in some measure the effect of the clothing which men wear indoors in preventing heat loss."

3038. Strachan, E.K. Equilibrium moisture content of some textile materials. Amer. Dyestuff Repr. 27(9):P240-P242. May 2, 1938. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

Bibliography, p. P242.

"The moisture regain data of Urauhart and Williams are employed in a calculation of the heat of wetting of cotton by steam and, by subtraction of the molal heat of vaporisation of water, the heat of wetting by water. The results are tabulated for regains of 1.2 to 11.5 per cent. A further calculation gives the amount of heat evolved when one mol. of water is added to sufficient cotton to bring its regain to a particular point, and also the amount of heat evolved when one gram of cotton of given moisture content is completely wetted by water or steam." -Textile Inst. Jour. 29(7):A424. July 1938.

3039. Torres, Juan P. On the improvement of Philippine cotton. Agr. Life [Manila] 5(6):13. June 1938. (Published at 823 O'Donnell, Manila, P.I.) 25 Ag8

Factors of quality are considered.

3040. Wagner, Harold C., and Rackemann, Francis M. Kapok and molds: an important combination. Ann. of Internal Med. (n.s.) 11(3):505-513. September

1937. (Published by American College of Physicians, 4200 Pine St., Philadelphia, Pa.) L.C. Bibliography, p.513.

"Steam sterilization of cotton, kapok, or silk floss fibres changes the material in such a way as to preclude the active growth of moulds involved in the causation of asthma. These, however, develop on boll cotton and bale kapok especially when the fungi originate in samples of old kapok, cotton lint or house dust.-C."- Textile Inst. Jour. 29(6):A374. June 1938.

See also Items nos. 3117, 3121, 3126, 3144, 3150.

Technology of Manufacture

3041. British cotton industry research association.

Shirley cotton opener. A new patent...describes a further development of the streamline air current method of cleaning cotton, which aims at a production of normal processing amounts. Textile Manfr. 64(764):334,335. August. 1938.

(Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126

3042. Brüggemann, H. Der Kämmer Nasmith-Platt. Monatsschrift für Textil-Industrie 53(1):1-4. January 1938. (Published by Theodor Martins Textilverlag, Dörrienstrasse 9, Leipzig C 1, Germany) 304.8 L53

To be continued.

The Nasmith Platt comber.

"The author describes in detail the action of the Nasmith comber, drives for the various working parts, preparatory machines, the erection, setting and operation of the comber, and the construction, needling and repair of the combs."- Textile Inst. Jour. 29(7):A395. July 1938.

3043. Direction of twist in yarns. Methods of determination and changing. Textile Weekly 22(547): 265-266. Aug. 26, 1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127

To be continued.

3044. Kempaner, H.L. Some pointers on air conditioning for the cotton spinning room. Textile Bull. 55(1):14, 16-18. Sept. 1, 1938. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82

3045. Unisel Limited. Eliminating doubling faults.
 The Owens yarn trap. Textile Weekly 22(548):
 295. Sept. 2, 1938. (Published at 49, Deans-
 gate, Manchester, 3, England) 304.8 T3127

Technology of Consumption

3046. AAA to buy 50,000 bales to make mattresses for poor.
 Cotton Trade Jour. 18(40):1. Sept. 17, 1938. (Pub-
 lished at 810 Union St., New Orleans, La.)
 72.8 C8214

3047. [Anderson, William D.] Superiority of cotton cord.
 Daily News Rec. no. 203, p. 17. Aug. 30, 1938. (Pub-
 lished at 8 East 13th St., New York, N.Y.)
 286.8 N48
 "The future problem of the tire industry is
 not to find a substitute for cotton but to develop
 new rubber compounds which will last as long as
 the heat resistant cord fabric now at the command
 of the industry."
 Also in Mid-So. Cotton News 16(3):3. September
 1938.

3048. Brandwood, John. "Brandwood" patent tyre cord.
 Textile Weekly 22(550):358, 361. Sept. 16, 1938.
 (Published at 49 Deansgate, Manchester, 3,
 England) 304.8 T3127
 With this process "half the cost of cotton
 may be saved, and from cotton of 1 in. staple
 a tyre cord can be made 50% stronger than is
 now made from cotton with 1 1/2 in. staple as
 produced by the ordinary tyre processes."

3049. [Crosby, H. B.] Crosby suggests program to move
 surplus cotton. Mills could use surplus for
 making household needs for unemployed. Cotton
 Trade Jour. 18(39):6. Sept. 10, 1938. (Published
 at 810 Union St., New Orleans, La.) 72.8 C8214

3050. Duncan, J. E. Rugging of flock sheep. Scope for
 new departure in New Zealand. New Zealand Jour.
 Agr. 56(6):409, 411-415. June 20, 1938. (Pub-
 lished by New Zealand Department of Agriculture,
 Wellington, New Zealand) 23 N48J
 Rugs made of cotton duck are described and
 illustrated.

3051. Fountain pens are made from cotton. Exhibit at Mid-South fair showed actual step by step process in manufacturing. Mid-So. Cotton News 16(3):3. September 1938. (Published at 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295

3052. Milne, David. "Whole cotton," an annual source of cellulose. Rayon Textile Monthly 19(9):540. September 1938. (Published at 303 Fifth Ave., New York, N.Y.) 304.8 R21
 The work of Frank K. Cameron and Nicholas W. Dockery is briefly described.

3053. Morrison, Bess Viemont, and Hays, Margaret B. Proposed minimum requirements of 3 types of upholstery fabrics based on the analysis of 62 materials. U.S. Dept. Agr. Circ. 483, 28pp. Washington, D.C., 1938.
 The fabrics analyzed included "those in the low- and medium-priced ranges (from 69 cents to \$4.90 a yard), in a variety of weaves and colors. For the most part, they are all-cotton fabrics, though some are cotton and rayon, and a few cotton and mohair."

3054. Revere, C.T. Revere urging use of cotton for highways. Cotton proved suitable surface for 2,200,000 miles of U.S. dirt roads. Hard-surfacing is needed. Concrete would cost \$18,000 a mile and cotton only \$600 a mile. Cotton Trade Jour. 18(40):1,6. Sept. 17, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3055. U.S. Department of agriculture. Bureau of agricultural economics. Principal uses of cotton and cottonseed. 1p., processed. [Washington, 1938] 1.9 Ec733Pri

See also Items nos. 2942, 2943, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 3147, 3160.

COTTONSEED AND COTTONSEED PRODUCTS

3056. [American oil chemists' society] Oil characteristics committee. Report. Oil and Soap 15(9):245. September 1938. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.) 307.8 J82
 Tables give analyses of American and foreign cottonseed oils.

3057. American oil chemists' society. Smalley foundation committee. Report...1937-1938. Oil and Soap 15(9):242-244. September 1938. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.) 307.8 J82
 Efficiency in determining the oil and ammonia content of cottonseed meal is reported.

3058. Arkhangel'skii, M.I., and Samoilov, A.F. The bacterial contamination of cottonseed oil and the survival of some microorganisms in the oil. Chem. Abs. 32(4):1501-1502. Feb. 20, 1938. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 Am33C
 From Masloboino Zhirovoe Delo 13, no. 5, 10. 1937.
 "Tests of 278 specimens of cottonseed oil in all stages of processing, including fresh and stored refined oil, showed that the oil is almost completely sterile. The survival of inoculated Penicillium spores in the oil showed that the oil is sterile because it is unfavorable medium for the existence and propagation of vegetative microorganism and not because of its fungicidal properties. A further study of the contamination of the oil by spores and measures for sanitary processing are recommended.-Chas. Blanc."-Entire item.

3059. Cotton oil trust ravages farmer, declares Rankin. Says seed sell for one-third normal value in appeal to Roosevelt. Cotton Trade Jour. 18(38): 6. Sept. 3, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 A telegram from Congressman John E. Rankin to President Roosevelt and Secretary Wallace is quoted.

3060. Cottonseed prices rise \$1 to \$2 as gins stock for future. Buying wars between gins of mid-south are unofficially reported. Cotton Trade Jour. 18(41):8. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3061. [Doughtie, Richard T.] 83 per cent of all mills in seven states to buy seed on grade this season. Cotton and Cotton Oil Press 39(37):6, 11. Sept. 10, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 The names of the cottonseed oil mills cooperating with the government's cottonseed grading program are listed.

3062. Durham, S.L. How much does it cost to make felt? Bedding Mfr. 35(2):46-47, 54, 56-58. September 1938. (Published by the Better Bedding Alliance of America, 608 S. Dearborn St., Chicago, Ill.) 309.8 B39
 Reprint of an article which appeared in the April, 1932, issue.
 Costs from the raw cotton or linters to the finished felt are considered.

3063. Freyer, Egbert. The rapid determination of moisture with especial reference to oil seeds and their products. Oil and Soap 15(9):236-239. September 1938. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.) 307.8 J82

3064. Govt. withholds cottonseed oil trust decision. Fears repetition of last year's purchases would cause dumping. Cotton Trade Jour. 18(39):7. Sept. 10, 1938. (Published at 310 Union St., New Orleans, La.) 72.8 C8214
 Purchases by the Federal Surplus Commodity Corporation are not to be repeated.

3065. Harmon, S.M. Factors determining the commercial value of cottonseed. Cotton and Cotton Oil Press 39(38):3-4. Sept. 17, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Also in Mid-So. Cotton News 16(3):6. September 1938.

3066. Hutchins, R.E., and Lyle, C. (Note) Cottonseed-hull bran in grasshopper bait. Jour. Econ. Ent. 31(2):319. April 1938. (Published at Amherst, Mass.) 421 J822

3067. Hutchinson, W.M. The relation of the ginner to the oil mill. 4pp. [Macon, Ga., 1938]
 Address to Georgia Ginner's Association, Macon, Ga., May 19, 1938.
 Brief history of the cottonseed oil industry.

3068. Moloney, John F. Markets for cottonseed cake and meal. Cotton and Cotton Oil Press 39(39):3. Sept. 24, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Tables based on reports of the Interstate Commerce Commission show termination of rail shipments by freight regions for 1937.

3069. Ousley, Clarence. Surrelling dairy interests. Cotton and Cotton Oil Press 39(36):14. Sept. 3, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial on recent statement of the U.S. Department of Agriculture regarding the relation of butter and margarine sales.

3070. Podol'skaya, M. Carotenoids in cottonseed. Chem. Abs. 32(11):4366. June 10, 1938. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 Am33C
 From Masloboino Zhirovoe Delo 13, no. 6, 8-9 (1937).
 "Modified procedures for the spectrographic and colorimetric detns. of carotenoids and xanthophylls in cottonseed meal and oil are described...Chas. Blanc."-Entire item.

3071. Ryabov, A. Refining of black cottonseed oil. Chem. Abs. 32(4):1502. Feb. 20, 1938. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 Am33C
 From Masloboino Zhirovoe Delo 13, no. 5, 13. 1937.
 "In the usual refining of black cottonseed oil with excess of 17° Bé. NaOH up to 100% a max. 60% yield of comparatively dark and difficultly hydrogenated oil is obtained. One of the chief losses is in the wash waters contg. about 1.79% oil. According to the new method of refining, 84-90% of pale yellow oil, acidity 0.06-0.2%, can be obtained by treating the oil at 25-30° and toward the end at 40-50° with the calcd. amt. of 10° Bé. NaOH with a gradual addn. of 1-1.5% of solid NaCl. The stirring by an air current is continued and 18° Bé. NaOH is added until the sepn. of oil and soapstock is completed. After settling for 2-3 hrs., the sepd. oil is heated to 80-90°, then dried with an air current and filtered at 50-60°. The oil is free from soapstock and is easily hydrogenated.-C.B."-Entire item.

3072. La torta de semilla de algodón como forraje. Revista Nacional de Agricultura (Bogotá) 34(408): 1968-1971. June 3, 1938. (Organ of the Sociedad de Agricultores de Colombia; published at Bogotá, Colombia) 9.4 R32
 The use of cottonseed cake as forage.

3073. U.S. Department of agriculture. Bureau of agricultural economics. Cottonseed supervision and market news service. Oil mills agree to sampling and grading of cotton seed purchases. Oil Mill Gazetteer 43(3):3-4. September 1938. (Published at Wharton, Tex.) 307.8 0153
Mills agreeing to the service are listed.

3074. Ward, A.L. Use has given cottonseed relatively high value. Cotton and Cotton Oil Press 39(39): 13, 16-17. Sept. 24, 1938. (Published at 3116-18 Commerce St., Dallas, Texas.) 304.8 C822

See also Items nos. 2899, 3055, 3116, 3117, 3138, 3156, 3159.

LEGISLATION, REGULATION, AND ADJUDICATION

Legislation

3075. Agricultural adjustment act rapidly becoming ridiculous. Cotton Digest 10(48):6. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial.

3076. Allotment plan attacked by Texas group. Cotton Digest 10(51):3, 15. Sept. 24, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Opposition to the plan by the Texas Agricultural Association is noted.

3077. Allotment plan popular. Cotton Digest 10(48):12. Sept. 3, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
From Houston Post.

The adoption of the Domestic Allotment Plan is urged.

3078. Andrews, Stanley. Texas farmers look to foreign markets. Amer. Cotton Grower 4(4):7, 11. September 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32
Report of the meeting of the Brazos Valley Cotton Cooperative Association, Bryan, Texas. Extracts from the address by E.J. Kyle on "The Farmer and Our American Tariff," are given.

3079. Another slap for cotton. Cotton Digest 10(49):7, 15. Sept. 10, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
From Arkansas Democrat.
Comment on the proposal to reduce Federal benefit payments on cotton next year.

3080. Argentine cotton trust? Committee of investigation appointed. Manchester Guardian Com. 37(949): 189. Aug. 26, 1938. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315
The Argentine Chamber of Deputies has appointed a committee to investigate charges that two firms "controlled 97 per cent of the ginning plant and 70 per cent of the cotton oil production, besides the whole of the export trade."

3081. [Bleke, Rhea] Bankhead avers farm pay cuts unjustified. Delta council to protest; sees \$1,600,000 loss to Delta farmers alone. Cotton Trade Jour. 18(41):1,7. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The proposed reduction in agricultural conservation payments to cotton producers for 1939 are discussed.
Also in Cotton Digest 10(51):11. Sept. 24, 1938.

3082. Comer, Donald. Restricted acres caused by restricted markets and what they mean to growers. Tex. Co-op. News 18(9):4. Sept. 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.)

3083. Congress may vote on new processing taxes next session. Increasing farm pressure for price fixing behind administration move. Cotton Trade Jour. 18(39):1,8. Sept. 10, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Plans for such legislation are discussed.

3084. The cotton industry enabling bill. Revised proposals forwarded to government. Chairman appointed for discussions with other industries. Manchester Chamber of Com. Monthly Rec. 49(8):363-365. Aug. 31, 1938. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31
Developments during August are reported.

3085. Cotton snubbed. Cotton Digest 10(49):7. Sept.10, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
From Houston Post.
Comment on the proposal to reduce Federal benefit payments on cotton next year.

3086. Fleming, Lamar. Tariff means ruin. Cotton Digest 10(51):4,12. Sept.24,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Address at meeting of the Southwest Shippers' Advisory Board in Houston.
The effect of the tariff on the cotton trade is discussed.

3087. High tariff walls condemned. Tex. Co-op. News 18(7):1,3. July 15,1938. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F
Summary of address by E.J. Kyle entitled "The Farm and Our American Tariff."

3088. Louisiana cotton buyers required to post \$2,500 bond. Act passed at 1938 legislature exempts those who pay cash. Cotton Trade Jour. 18(39):7. Sept.10,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The act is given.

3089. [Moore, Perry E.] Plan to enforce marketing of '38 crop is advanced. Farmers would sell cotton but be guaranteed loan price. Cotton Trade Jour. 18(39):5. Sept.10,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Also in Cotton Digest 10(49):8-9. Sept.10, 1938.

3090. Moore, Ralph W. For allotment act. Cotton Digest 10(49):13. Sept.10,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

3091. Myers, Lawrence. Agricultural programs and the processing tax. 20pp. processed. [Washington, D.C., United States Department of Agriculture, Agricultural Adjustment Administration, 1938]
Address before the meeting of the Underwear Institute at Philadelphia, Pennsylvania, April 28,1938.
Tables show "tariff as compared with processing tax of 4.2 cents per pound net weight of raw

cotton and with tariff equalization fee at rates in the Pope proposal for specified constructions of cotton goods," and "approximate amount of tariff equalization fee which would be payable on the quantity of cotton required in the manufacture of specified articles at the rates of tariff equalization fee in the Pope proposal (H.R.9682, 75th Congress, 3d Session), and processing tax at the rate of 4.2 cents per pound net weight of raw cotton."

3092. Parker, Walter. Walter Parker views troubles of U.S. cotton. Cotton Trade Jour. 18(39):7,8. Sept.10,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

The author suggests that the government pay to the cotton farmers "whatever amounts it is felt the farmers are entitled to receive as an offset to the tariff, and then leave them free to produce and market as much cotton as they feel justified in doing, available markets and price being considered."

3093. Portugal. Import tax established on foreign cotton to provide funds for price support of colonial product. Com. Reports no.35, p.774. Aug.27, 1938. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

"A tax of 0.50 escudo per kilo on foreign cotton imported into Portugal was provided for by decree-law No.28698 of May 25,1938."

3094. U.S. Congress. House. Committee on appropriations. Appropriation for retirement of 1933 cotton pool participation trust certificates. Hearings before the subcommittee of the Committee on appropriations, House of representatives, Seventy-fifth Congress, third session, on the estimate in House document no. 535 and on H.J.Res.616. 31pp. Washington, U.S. Govt. print. off., 1938. 284 Un38Ap

3095. U.S. Congress. Senate. Committee on agriculture and forestry. Activities of the American cotton cooperative association. Hearings...on S. Res. 137, a Resolution to investigate certain activities of the American cotton cooperative association in connection with the marketing of cotton financed by the Federal government. April 11,

to May 4, 1938. 1149pp. Washington, U.S. Govt. print. off. 1938.

Includes testimony of Karl Karsten, pp.3-72, 152-225, 407-451; Oscar Johnston, pp.72-151; J. Roy Jones, pp.225-252, 381-394; Marc Anthony, pp.252-273; T.I. Myers, pp.273-350, 351-381; C.E. Vincent, pp.395-407; John D. Goodloe, pp.451-485; C.L. Finch, pp.485-585; E.F. Creekmore, pp.589-756, 920-1140; Murray M. Stewart, Jr., pp.822-829, 879-920; J.R. McCrary, pp.830-846; N.C. Williamson, pp.846-879.

3096. U.S. Department of Agriculture. Agricultural adjustment administration. Foreign cotton production and U.S. cotton policies. 11pp. [Washington, D.C.] 1938. (38-Cotton-3)
1.42 C82

Adapted from an address "Changing Trends in Cotton Production and Consumption," given by L.H. Bean at the annual convention of the American Cotton Shippers Association, April 29, 1938, and an address, "Foreign Cotton Production and its Increase," by P.K. Norris at a meeting of the Association of Southern Agricultural Workers, February 2, 1938.

3097. West Texas Chamber of commerce endorses domestic allotment plan. Cotton Ginner's Jour. 9(12):26. September 1938. (Published by Texas Cotton Ginner's Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

3098. Will the classification act fail? Farm and Ranch 57(16):3. Aug. 15, 1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31

Editorial on the administration of the law providing free classification and market news service for farmers organized to improve the quality of their cotton.

See also Items nos. 2943, 2987, 3002, 3140.

Regulation

3099. AAA buying up old certificates in cotton pool at \$1 a bale. Ariz. Producer 17(11):24. Aug. 15, 1938. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

The procedure announced by the Agricultural Adjustment Administration is explained.

3100. Colombia. Cotton and woolen piece goods--Import licenses again to be granted, within quota limits. Com. Reports no.35, pp.771-772. Aug.27,1938. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

3101. Cotton export subsidy denied by AAA group. Indicated carryover will call for new farm vote on marketing quotas. Cotton Trade Jour. 18(40):6. Sept. 17,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3102. Cotton farmers complying in '38 to get AAA '37 checks. Ariz. Producer 17(10):2. Aug.1,1938. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
Regulations of the Agricultural Adjustment Administration are explained.

3103. Cotton warehouses must be o.k.'d by CCC. Cotton Digest 10(49):8. Sept.10,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
"Requirements to be met with by warehouses storing cotton before securing approval of the Commodity Credit Corporation for government loans" are given.

3104. Guinea pig no.1. Textile industry first on wage-hour operating-table, repeating NRA experience. Textile World 88(10):70-71. September 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315
Difficulties attending the setting up of a Textile Industry Committee under the Wage-Hour Act are described.

3105. Moss, O.J. The responsibilities of ginners and cotton buyers under the AAA of 1938. Cotton and Cotton Oil Press 39(37):7,10. Sept.10,1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
Questions and answers.

3106. Nigeria and Gold Coast. Textile quotas. Indian Trade Jour. 130(1673):142. July 14,1938. (Published by the Department of Commercial Intelligence and Statistics, 1, Council House St., Calcutta, India) 286.8 In24
Quotas for the year beginning July 1,1938 are given.

3107. Official control in the cotton industry and the inauguration of a "link" system. Mitsubishi Monthly Circ. no.178, pp.17-19. August 1938. (Published by Mitsubishi Economic Research Bureau, Marunouchi 3, Tokyo, Japan) 280.8 M69
A brief résumé of the regulations controlling the cotton textile industry in Japan is given.

3108. Portugal. Board established to control standards and exportation of colonial cotton. Com. Reports no.35, p.774. Aug.27,1938. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D
"A board to control standards and the exportation of cotton from Portuguese colonies was established by decree No.38697 of May 25,1938."

3109. U.S. Department of agriculture. Agricultural adjustment administration. 1937 agricultural conservation program. Southern region bulletin 101. Fed. Register 3(175):2193-2194. Sept.8,1938. (Published by National Archives, Washington, D.C.) 169 F31
"SRB-101 Amendment 19"

3110. U.S. Department of agriculture. Agricultural adjustment administration. Regulations of the Secretary of agriculture with respect to the retirement of cotton pool participation trust certificates, Form C-5-I. Fed. Register 3(175): 2194. Sept.8,1938. (Published by National Archives, Washington, D.C.) 169 F31
"Supplement No.1."

3111. U.S. Department of labor. Wage and hour division. Appointment of industry committee no.1. Fed. Register 3(188):2313-2314. Sept.27,1938. (Published by National Archives, Washington, D.C.) 169 F31
Administrative order no.1.
This committee is for the textile industry.
A definition of the term "textile industry" is included.

3112. U.S. Department of labor. Wage and hour division. Convening of textile industry committee. Fed. Register 3(188):2315. Sept.27,1938. (Published by National Archives, Washington, D.C.) 169 F31
Administrative order no.2.

3113. U.S. Department of labor. Wage and hour division. Rules and regulations applicable to industry committees. Fed. Register 3(188):2312-2313. Sept. 27, 1938. (Published by National Archives, Washington, D.C.) 169 F31
Series one.

See also Items nos. 3009, 3010, 3012, 3016, 3017, 3160.

Adjudication

3114. Ark. grand jury indicts 6; loan fraud charged. Bought cotton cheap, put it in 9-cent loan, says prosecutor Isgrig. Cotton Trade Jour. 18(41):1. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3115. Court test of AAA act. Cotton Digest 10(51):6. Sept. 24, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Editorial commenting on the pending case relating to marketing quotas for tobacco and on the opinions of cotton producers regarding cotton quotas.

(An item relating to this case appears without a headline in the same issue of the Cotton Digest on page 10, column 2)

MISCELLANEOUS--GENERAL

3116. Allred, C.E., and Sant, Paul T. Price areas of farm products in Tennessee. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociol. Dept. Monog. 75, 31pp., processed. Knoxville. 1938. 173.2 W89Co

Cotton and cottonseed prices are included in the study.

3117. Association of southern agricultural workers. Proceedings, abstracts of papers and addresses. The 39th annual convention...Atlanta, Ga., February 2, 3 and 4, 1938. 153pp. [Raleigh, N.C. ? 1938] 4 C82

Partial contents: Cottonseed meal as a southern resource, by A.L. Ward, pp. 31-32; Freight rates as barriers to agricultural prosperity in the South, by Edgar Watkins, p. 35; World trade as a factor conditioning agricultural prosperity in the South, by Eric Englund, pp. 37-38; Farm

tenancy as a factor conditioning the well-being of southern farm operators, by J.T. Sanders, pp.40-41; Discussion by Robin M. Williams, pp.41-42; Cotton improvement in Carroll County, Georgia, through use of the one variety community plan of production, by G.F. Wiley, pp.46-47; The effect of various grades of fertilizers on the salt content of the soil solution, by Lawrence M. White and William H. Ross, p.60; Effects of different nitrogenous fertilizers on the pH and available PO_4 of soils and their relation to the yield of cotton, by F.L. Davis, p.61; Potash requirements of cotton in relation to acid and neutral fertilizers, by E.R. Collins, R.P. Bledsoe, J.J. Skinner and J.H. Hunter, p.63; Notes on the progeny of a brown lint by green lint cross of upland cotton, by T.R. Richmond, R.E. Harper, and D.T. Killough, pp.64-65; Recent study in the anatomy and development of cotton fibers, by Thomas Kerr, pp.65-66; Cotton degeneration, by J. Fred O'Kelly, p.66; The applicability of certain recent experimental designs to cotton research, by O.A. Pope, pp.66-67; The status of the classification act, or new services for cotton improvement, by Frank A. Briggs, p.113; Cotton seeds may differ widely in composition, [by G.S. Meloy] p.114; Co-operative marketing of cotton, by D.W. Brooks, p.115; Foreign cotton production and its increase, by P.K. Norris, p.116; Lightning injury to cotton, by A.L. Smith, p.140; Problems in the germination of cotton seed, by D.M. Simpson and G.M. Stone, pp.140-141; Comparative injury of root knot nematodes to different varieties and species of cotton in control experiments under irrigation, by C.J. King, p.141; Further studies of crinkle leaf, a disorder of cotton plants prevalent in Lintonia and Olivier silt loam soils in Louisiana, by D.C. Neal and H.C. Lovett, p.141; Summary of results for cotton-seed treatments in South Carolina, by C.H. Arndt, p.142; Results from treating cotton seed with two per cent ceresan, by U.R. Gore, pp.142-143; Cotton seed treatment for stand improvement, by D.C. Neal, p.143; Results of seed treatment tests with cotton in 1937, by S.G. Lehman, p.143; A promising wilt-resistant long-staple cotton, by D.C. Neal and C.B. Haddon, p.144; Technique of artificial inoculation with *Fusarium vasinfectum*, by D.C. Neal, p.144; The reaction of cotton leaves to

hypodermic injections of *Fusarium vasinfectum* Atk., by A.L. Smith, p.144; Air-dried oat-wheat moisture for contaminating soil with the cotton wilt organism, *Fusarium vasinfectum* Atk., by A.L. Smith, p.145; The relation of fertilizers and varieties to cotton wilt in Georgia, by R.P. Bledsoe, A.L. Smith, and U.R. Gore, p.145; Field studies on *Fusarium* wilt of cotton in Arkansas: the relation of "wilt" and "total infection" as influenced by potash fertilization, by E.M. Cralley and W. Tharp, p.146; Studies on the relation of fertilizer treatments to the *Fusarium* wilt of cotton in Arkansas, by V.H. Young, p.146; Relation of nematodes to wilt, by H.D. Barker, p.147; Cotton root rot in Texas in 1937, and conditions affecting its local prevalence, by Walter N. Ezekiel, p.147; Some studies on *Phymatotrichum* root rot, by Walter N. Ezekiel, J.J. Taubenhaus, and J.F. Fudge, p.148; The effect of heavy metals and minor elements upon the growth of *Phymatotrichum omnivorum* in a nutrient solution, by Lester M. Blank, p.148.

3118. Bartlett, M.S. The approximate recovery of information from replicated field experiments with large blocks. *Jour. Agr. Sci.* 28(3):418-427. July 1938. (Published by Cambridge University Press, Bentley House, 200 Euston Road, London, N.W.1, England) 10 J822

References, p.427.

"The method suggested by Papadakis of using covariance with the yields of neighbouring plots to reduce the error of replicated field experiments is illustrated on two large-scale cotton experiments. In a discussion on the validity and value of the method, it is concluded that for such experiments, where the number of plots per block is large, the method should be approximately valid and sometimes useful."

3119. Beardwell, C.G. Recruitment for the textile industries. *Textile Inst. Jour.* 29(7):P208-P211. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3120. Bowie, James A. Training for technical management. Textile Inst. Jour. 29(7):P281-P285. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3121. Carded and combed groups approve 1938 yarn rules. Textile Bull. 54(25):12. Aug. 18, 1938. (Published by Clark Publishing Co.; 218 West Morehead St., Charlotte, N.C.) 304.8 So82
Text of a resolution adopted by the Carded Yarn Group and the Southern Combed Yarn Spinners' Association at a meeting in Charlotte, N.C., August 3, 1938.

3122. [City and guilds of London institute] "City and guilds" technological examinations. Textile Inst. Jour. 29(7):P350-P356. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Communication to Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3123. Cotton council units organize in Ala. and Ga. W.H. Smith and R.C. Neely named chairmen of respective groups. Cotton Trade Jour. 18(41):1,6. Sept. 24, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Units of the National Cotton Council are reported.

3124. Cotton group's work is many-sided. Efforts of the State-wide cotton committee of Texas to attain its objectives are of concern to the entire State, for cotton affects all Texans in one way or another. Tex. Weekly 14(37):9. Sept. 10, 1938. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31

3125. Cotton meeting attended by 300. Cotton Digest 10(50):11. Sept. 17, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Brief report of a meeting of the State-wide Cotton Committee of Texas, Hillsboro, Texas, September 10, 1938.
Also reported in Cotton and Cotton Oil Press 39(38):8,12. Sept. 17, 1938.

3126. Cotton yarn rules of 1938. For buying and selling of cotton yarn. Approved August 3, 1938. The executive committee of the Carded yarn group, the Board of directors of the Southern combed yarn spinners association. 11pp. Charlotte, N.C., 1938.

3127. Davison's textile blue book...Seventy-third year, July 1938 to July 1939. Ridgewood, N.J., Davison Publishing Co. [1938] 304 B62

3128. Dent, A.P. The Union of Lancashire and Cheshire institutes. An outline of its functions and work. Textile Inst. Jour. 29(7):P365-P373. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3129. Federal writers project. Mississippi works progress administration. Mississippi. A guide to the Magnolia state. 545pp. New York, Viking press, 1938. 125 F312Mi
Cotton discussed in section on agriculture, pp.92-106. History of Cotton Gin Port, p.485.

3130. Fenelon, K.G. Training in the technique of management. Textile Inst. Jour. 29(7):P269-P272. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3131. Greg, H.G. Recruitment for the textile industries. Textile Inst. Jour. 29(7):P220-P221. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3132. Hanton, T.A. Technical training in textile industries for full time day students. Textile Inst. Jour. 29(7):P294-P297. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3133. Harrison, C.A., and Rostron, Harold. British association for commercial and industrial education. *Textile Inst. Jour.* 29(7):P348-P349. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3134. [Heard, M.E.] Food for thought. *Cotton Ginner's Jour.* 9(12):14. September 1938. (Published by Texas Cotton Ginner's Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
Letter regarding the cotton schools held in Texas this year.

3135. Heasman, B.R., and Kershaw, S. Training for technical management. *Textile Inst. Jour.* 29(7):P273-P280. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3136. Hitchman, L. East Midland educational union. *Textile Inst. Jour.* 29(7):P357-P358. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

3137. Honegger, E. Training for technical management in the textile industry at the Swiss federal institute of technology. *Textile Inst. Jour.* 29(7):P298-P303. July 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
Address at Annual Conference of the Textile Institute, Peebles, Scotland, June 21-25, 1938.

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C O T T O N R E P O R T S

ISSUED CURRENTLY BY
UNITED STATES GOVERNMENT DEPARTMENTS

U.S. Department of Agriculture, Bureau of Agricultural Economics

Cotton Situation: issued monthly.

Crop Reports (Summarized in Crops and Markets, which is issued monthly): to be issued Nov. 8, Dec. 8, 1938.

Grade and Staple Reports:

Monthly Cotton Grade and Staple Report: to be issued Oct. 18, Nov. 18, Dec. 19, 1938, Apr. 12, 1939.

Semi-Monthly Cotton Grade and Staple Report: to be issued Oct. 25, Nov. 8, Nov. 21, Dec. 8, Dec. 20, 1938, Jan. 23, Mar. 20, 1939.

Market News Reports:

American Cotton Linters Price Report: issued Wednesdays at Washington, D.C.

Daily Official Report of the Designated Spot Cotton Markets: issued at Atlanta, Ga.

Weekly Cotton Market News (Regional) issued Wednesdays at Atlanta, Ga., Memphis, Tenn., and Dallas, Tex.

Weekly Cotton Market Review: issued Saturdays at Washington, D.C., Atlanta, Ga., Memphis, Tenn., and Dallas, Tex.

Weekly Cotton Quotations: issued Saturdays at Atlanta, Ga., Memphis, Tenn., and Dallas, Tex.

Weekly Cottonseed Review: issued Saturdays at Memphis, Tenn.

U.S. Department of Commerce, Bureau of the Census

Activity in the Cotton Spinning Industry: issued monthly, about the 20th. Cotton Consumed, on Hand, Imported and Exported, and Active Cotton

Spindles: issued monthly, about the 14th.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly, about the 12th.

Report on Cotton Ginnings: reports on 1938 crop to be issued Oct. 25, Nov. 8, Nov. 21, Dec. 8, Dec. 20, 1938, Jan. 23, Mar. 20, 1939.

U.S. Department of Commerce, Bureau of Foreign and Domestic Commerce

Textile Raw Materials: issued weekly.

Textiles and Allied Products: issued weekly.

